

Carbohydrate Research 270 (1995) C25-C26

Author index

Adachi, Y. 107 Ajisaka, K. 123 Andrews, J.S. 51

Bandgar, B.P. 201 Behrman, E.J. 71 Biemann, K. 131 Bienaymé, H. 163 Brimacombe, J.S. 85 Bystrický, S. 115

Cesàro, A. 97 Cescutti, P. 97 Chen, X. 1 Cottaz, S. 85

Das, S.K. 93 Ding, Q. 1 Dowd, M.K. 217 Duddeck, H. 11

Elliott, H.G. 63 Elliott, M.A. 63 Endo, A. C9, C15

Ferguson, M.A.J. 85 Fujimoto, H. 123 Fujita, S. C9, C15 Furuhata, K. 149

Gan, Z. 211 Garozzo, D. 97 Gotoh, M. 115

Harada, K. 33 Hiegemann, M. 11 Hirano, M. 221 Honda, Y. 77

lida, M. C9, C15 Ilić, N. 11 Impallomeni, G. 97 Ishihara, C. 33 Isomura, M. 123

Jansson, P.-E. 191 Johansson, A. 191 Juhasz, P. 131

Kim, K.B. 71 Kimura, K. 33 Kiyohara, H. 221 Klein, E. C1 Kojić-Prodić, B. 11 Kong, F. 211 Kováč, P. 115 Kroon, J. 11

Laćan, G. 11 Lehmann, J. 181 Lubineau, A. 163

Magnus, V. 11 Matsumoto, K. 33 Matsumoto, T. 221 Matsuo, I. 123 Matsuzaki, Y. C15 McGuire, J.M. 63 Miyagi, A. 33

Nigović, B. 11 Nissl, J. C1 Numata, M. C9, C15 Nunomura, S. C9, C15

Ogawa, T. C15 Ohno, N. 107 Okawa, M. 123

Pinto, B.M. 51 Pischetsrieder, M. C1 Queneau, Y. 163

Roy, N. 93

Sakamoto, M. 149 Sarbajna, S. 93 Schafer, S.E. 217

Schweizer, F. 181 Severin, T. C1 Sharma, L. 43

Shirakabe, M. 123

Singh, S. 43 Smith, K.D. 63

Spina, E. 97 Stevens, E.S. 217

Sturiale, L. 97 Suda, M. 107

Sugimoto, M. C9, C15 Szu, S.C. 115 Takahashi, Y. 77 Tomić, S. 11

Tseng, H. 149

Tsuchiya, T. 77

Van Eijck, B.P. 11

Weitzel, U.P. 181 Widmalm, G. 191 Wilkinson, S.G. 191

Yadomae, T. 107 Yamada, H. 221 Yang, L. 1

Zbiral, E. 201 Zhang, L. 1



Carbohydrate Research 270 (1995) C27-C30

Subject index

a₁ Acid glycoprotein

The Resolution of oligosaccharides by high pH anion exchange chromatography 63

Acidic microcapsular glycan

Structure of an acidic microcapsular glycan from the reference strain (C.D.C. 866-57) for Serratia marcescens serogroup O1 191

1.3-Anhydro-2,4-di-O-benzyl

Synthesis of substituted 2,6-dioxabicyclo-[3.1.1]heptanes:1,3-anhydro-2,4-di-O-benzyl-6-deoxy-B-L-talopyranose 211

5,6-Anhydro-1,2-O-isopropylidene-α-D-glucofuranose

Synthesis, characterization, and reverse-micellar studies of some N-substituted derivatives of 6-amino-6-deoxy-1,2-O-isopropylidene-D-glucose 43

Anhydro sugars

Crystal-solution structural equivalence of methyl 3,6-anhydropyranosides 217

Anti-AIDS drug

Synthesis of (3'R)-3'-deoxy-3'-C-nitromethylthymidine 77

Aspergillus niger

Enzymatic synthesis of mannobioses and mannotrioses by reverse hydrolysis using α -mannosidase from Aspergillus niger 123

Auricularia auricula-judae

Studies on molecular weights of polysaccharides of Auricularia auricula-judae 1

Auxin

Synthesis and conformational analysis of the plant hormone (auxin) related 2-(indoi-3-yl)-ethyl and 2-phenylethyl β-to-xylopyranosides and their 2.3.4-tri-O-acetyl derivatives 11

1D-6-O-(2-Azido-2-deoxy-α-D-glucopyranosyl)myo-inositol

Synthesis of a partially protected 1D-6-O-(2-azido-2-deoxy- α -D-glucopyranosyl)-myo-inositol: a useful precursor of glycosylphosphatidylinositols and related compounds 85

Bromination

Bromination of regenerated chitin with Nbromosuccinimide and triphenylphosphine under homogeneous conditions in lithium bromide-N.N-dimethylacetamide 149

Ceramide

Total synthesis of sulfated Le^a pentaosyl ceramide C9

Ceramide, glycononaosyl

A total synthesis of glycononaosyl ceramide with a sialyl dimeric Le^x sequence C15

Chitin

Bromination of regenerated chitin with Nbromosuccinimide and triphenylphosphine under homogeneous conditions in lithium bromide-N,N-dimethylacetamide 149

Clearance of immune complexes

Characterisation of the endo-polygalacturonase-resistant region of the pectin from Bupleurum falcatum L.—a polysaccharide with an active function in clearance of immune complexes 221

Cyanobacterium

Identification of N-acetylglucosamine and 4-O-[1-carboxyethyl]mannose in the exopolysaccharide from Cyanospira capsulata 97

Cyanospira capsulata

Identification of N-acetylglucosamine and 4-O-[1-carboxyethyl]mannose in the exopolysaccharide from Cyanospira capsulata 97

Cycloadditions

Preparation of α - and β -dienyl glycosides used as dienes in aqueous Diels-Alder reactions. Influence of the carbohydrate moiety on the thermodynamics of the reaction 163

(3'R)-3'-Deoxy-3'-C-nitromethylthymidine Synthesis of (3'R)-3'-deoxy-3'-C-nitromethyl-

Diazirines

thymidine 77

Synthesis of photolabile mono- and di-valent α -D-mannoside-6-phosphates as chemically

- modifying probes for mannose-6-phosphate-receptors 181
- 2,4-Dideoxy-2-H_{eq}-N-acetylneuraminic acid Synthesis of 4-epi-2-deoxy-2-H_{eq}-N-acetylneuraminic acid and 2,4-dideoxy-2-H_{eq}-Nacetylneuraminic acid 201
- Dienyl glycosides
 - Preparation of α and β -dienyl glycosides used as dienes in aqueous Diels-Alder reactions. Influence of the carbohydrate moiety on the thermodynamics of the reaction 163
- 2,1': 4,6-Di-O-isopropylidenesucrose
 - A new synthesis of sucrose 6'-phosphate 71
- 2,6-Dioxabicyclo[3.1.1]heptanes
 - Synthesis of substituted 2,6-dioxabicyclo-[3.1.1]heptanes:1,3-anhydro-2,4-di-O-benzyl-6deoxy-\$\theta_L\talopyranose 211
- 4-Epi-2-deoxy-2-H_{eq}-N-acetylneuraminic acid Synthesis of 4-epi-2-deoxy-2-H_{eq}-N-acetylneuraminic acid and 2,4-dideoxy-2-H_{eq}-N-acetylneuraminic acid 201
- Exopolysaccharide
 - Identification of N-acetylglucosamine and 4-O-[1-carboxyethyl]mannose in the exopolysaccharide from Cyanospira capsulata 97
- Fetuin
 - The Resolution of oligosaccharides by high pH anion exchange chromatography 63
- L-Fucose
 - A novel synthesis of L-fucose from D-galactose 93
- Galacto-oligosaccharides
 - Structure determination of galacto-oligosaccharides by pyridylamination and NMR spectroscopy 33
- D-Galactose
 - A novel synthesis of L-fucose from D-galactose 93
- Gel-to-sol transition
 - Gel-to-sol transition of ¹³C-labeled (1 → 3)-β-Dglucan, ¹³C-SSG, assessed by ¹³C nuclear magnetic resonance (¹³C-NMR) spectroscopy 107
- Glucosidase inhibitor
 - Synthesis of a thio analogue of n-propyl kojibioside, a potential glucosidase inhibitor 51
- Glycosylation
 - Synthesis of photolabile mono- and di-valent α-D-mannoside-6-phosphates as chemically modifying probes for mannose-6-phosphate-receptors 181
- Glycosylphosphatidylinositol precursor
 - Synthesis of a partially protected 1D-6-O-(2azido-2-deoxy-α-D-glucopyranosyl)-myo-inositol: a useful precursor of glycosylphosphatidylinositols and related compounds 85

- GPI anchors
 - Synthesis of a partially protected 1D-6-O-(2-azido-2-deoxy-α-D-glucopyranosyl)-myo-inositol: a useful precursor of glycosylphosphatidylinositols and related compounds 85
- Henarin
 - Utility of non-covalent complexes in the matrix-assisted laser desorption ionization mass spectrometry of heparin-derived oligosaccharides 131
- High pH anion exchange chromatography (HPAEC)

 The Resolution of oligosaccharides by high pH
 anion exchange chromatography 63
- Immunoglobulin G
 - The Resolution of oligosaccharides by high pH anion exchange chromatography 63
- 1D-myo-Inositol derivatives
 - Synthesis of a partially protected 1D-6-O-2-azido-2-deoxy-α-D-glucopyranosyl)-myo-inoitol: a useful precursor of glycosylphosphatidylinositols and related compounds 85
- Intrinsic viscosity
 - Studies on molecular weights of polysaccharides of Auricularia auricula-judae 1
- Kinetics
 - Preparation of α and β -dienyl glycosides used as dienes in aqueous Diels-Alder reactions. Influence of the carbohydrate moiety on the thermodynamics of the reaction 163
- LactylMan
 - Identification of N-acetylglucosamine and 4-O-[1-carboxyethyl]mannose in the exopolysaccharide from Cyanospira capsulata 97
- Lewis A (Le^a) pentaosyl ceramide
 - Total synthesis of sulfated Le^a pentaosyl ceramide C9
- Lewis X (Lex), sialyl dimeric
 - A total synthesis of glycononaosyl ceramide with a sialyl dimeric Le^x sequence C15
- Light scattering
 - Studies on molecular weights of polysaccharides of Auricularia auricula-judae 1
- Maillard products
- Binding of Maillard products to proteins: formation of pyrrole carbimines C1
- Mannobioses
 - Enzymatic synthesis of mannobioses and mannotrioses by reverse hydrolysis using α-mannosidase from Aspergillus niger 123
- Mannose-6-phosphate-receptor
 - Synthesis of photolabile mono- and di-valent α-D-mannoside-6-phosphates as chemically modifying probes for mannose-6-phosphate-receptors 181

a-Mannosidase

Enzymatic synthesis of mannobioses and mannotrioses by reverse hydrolysis using α-mannosidase from Aspergillus niger 123

Mannotrioses

Enzymatic synthesis of mannobiones and mannotrioses by reverse hydrolysis using α -mannosidase from Aspergillus niger 123

Membrane osmometry

Studies on molecular weights of polysaccharides of Auricularia auricula-judae 1

Methyl 3,6-anhydropyranosides

Crystal-solution structural equivalence of methyl 3,6-anhydropyranosides 217

Molecular dynamics

Synthesis and conformational analysis of the plant hormone (auxin) related 2-(indol-3-yl)-ethyl and 2-phenylethyl β-D-xylopyranosides and their 2,3,4-tri-O-acetyl derivatives 11

Molecular weight

Studies on molecular weights of polysaccharides of Auricularia auricula-judae 1

13 C-NMR

Gel-to-sol transition of ¹³C-labeled (1 → 3)-β-Dglucan, ¹³C-SSG, assessed by ¹³C nuclear magnetic resonance (¹³C-NMR) spectroscopy 107

NMR spectroscopy

Synthesis and conformational analysis of the plant hormone (auxin) related 2-(indol-3-yl)ethyl and 2-phenylethyl β-to-xylopyranosides and their 2,3,4-tri-O-acetyl derivatives 11

NOE

Synthesis and conformational analysis of the plant hormone (auxin) related 2-(indol-3-yl)ethyl and 2-phenylethyl β -D-xylopyranosides and their 2,3,4-tri-O-acetyl derivatives 11

Nonionic surfactants

Synthesis, characterization, and reverse-micellar studies of some N-substituted derivatives of 6-amino-6-deoxy-1,2-O-isopropylidene-D-glucose 43

N-substituted hexadecylamines

Synthesis, characterization, and reverse-micellar studies of some N-substituted derivatives of 6-amino-6-deoxy-1,2-O-isopropylidene-D-glucose 43

Oligosaccharides

The Resolution of oligosaccharides by high pH anion exchange chromatography 63

Utility of non-covalent complexes in the matrix-assisted laser desorption ionization mass spectrometry of heparin-derived oligosaccharides 131

Organic synthesis in water

Preparation of α - and β -dienyl glycosides used as dienes in aqueous Diels-Alder reactions.

Influence of the carbohydrate moiety on the thermodynamics of the reaction 163

Poctin

Characterisation of the endo-polygalacturonaseresistant region of the pectin from Bupleurum falcatum L.—a polysaccharide with an active function in clearance of immune complexes 221

Pentaosyl, sulfated

Total synthesis of sulfated Le^a pentaosyl coramide C9

Photoaffinity labelling

Synthesis of photolabile mono- and di-valent α-t-mannoside-6-phosphates as chemically modifying probes for mannose-6-phosphate-receptors 181

Polysaccharide

Studies on molecular weights of polysaccharides of Auricularia auricula-judae 1

n-Propyl kojibioside

Synthesis of a thio analogue of n-propyl kojibioside, a potential glucosidase inhibitor 51

Proteins

Binding of Maillard products to proteins: formation of pyrrole carbimines C1

Pyridylamination

Structure determination of galacto-oligosaccharides by pyridylamination and NMR spectroscopy 33

Pyrrole carbimine formation

Binding of Maillard products to proteins: formation of pyrrole carbimines C1

Regenerated chitin

Bromination of regenerated chitin with Nbromosuccinimide and triphenylphosphine under homogeneous conditions in lithium bromide–N,N-dimethylacetamide 149

Rhamnogalacturonan

Characterisation of the endo-polygalacturonane-resistant region of the pectin from Bupleurum fulcatum L—a polysaccharide with an active function in clearance of immune complexes 221

Serratia marcescens

Structure of an acidic microcapsular glycan from the reference strain (C.D.C. 866-57) for Servatia marcescens serogroup O1 191

Spacer-modified oligosaccharide

Synthesis of photolabile mono- and di-valent α -D-mannoside-6-phosphates as chemically modifying probes for mannose-6-phosphate-receptors 181

O-Specific polysaccharide

Circular dichroism of the O-specific polysaccharide of Vibrio cholerae O1 and some related derivatives 115

- 13 C-labeled (1 → 3)-β-D-glucan (13 C-SSG)
 - Gel-to-sol transition of ¹³C-labeled (1 → 3)-β-Dglucan, ¹³C-SSG, assessed by ¹³C nuclear magnetic resonance (¹³C-NMR) spectroscopy 107
- Structure determination
 - Structure determination of galacto-oligosaccharides by pyridylamination and NMR spectroscopy 33
- Sucrose 6'-phosphate
 - A new synthesis of sucrose 6'-phosphate 71
- Sugar hydration
 - Preparation of α and β -dienyl glycosides used as dienes in aqueous Diels-Alder reactions. Influence of the carbohydrate moiety on the thermodynamics of the reaction 163
- Sulfated glycosaminoglycans
 - Utility of non-covalent complexes in the matrix-assisted laser desorption ionization mass spectrometry of heparin-derived oligosaccharides 131
- Synthesis
 - A novel synthesis of L-fucose from D-galactose
 93

- β-L-Talopyranose, 6-deoxy
 - Synthesis of substituted 2,6-dioxabicyclo-[3.1.1]heptanes:1,3-anhydro-2,4-di-O-benzyl-6deoxy-β-L-talopyranose 211
- Thio analogue
 - Synthesis of a thio analogue of n-propyl kojibioside, a potential glucosidase inhibitor 51
- Vibrio cholerae
 - Circular dichroism of the O-specific polysaccharide of Vibrio cholerae O1 and some related derivatives 115
- X-ray diffraction
 - Synthesis and conformational analysis of the plant hormone (auxin) related 2-(indol-3-yl)ethyl and 2-phenylethyl β-D-xylopyranosides and their 2,3,4-tri-O-acetyl derivatives 11
- Xylopyranosides
 - Synthesis and conformational analysis of the plant hormone (auxin) related 2-(indol-3-yl)ethyl and 2-phenylethyl β-D-xylopyranosides and their 2,3,4-tri-O-acetyl derivatives 11

